

Form 3160-3  
(April 2004)

## Split Estate

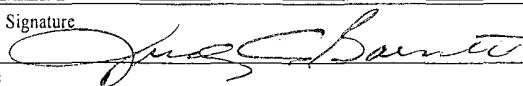
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No. 1004-0137  
Expires March 31, 2007

## APPLICATION FOR PERMIT TO DRILL OR REENTER

|                                                                                                                                                                                                                                                          |                                                   |                                                                                        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|----------------------------------------------------------------------------------------|
| 1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER                                                                                                                                                             |                                                   | 7. If Unit or CA Agreement, Name and No.                                               |
| 1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone                                   |                                                   | 8. Lease Name and Well No.<br>Aldabra 26 Fed Com 1H (38459)                            |
| 2. Name of Operator<br>Devon Energy Production Company, LP (6137)                                                                                                                                                                                        |                                                   | 9. API Well No.<br>30-015-38617                                                        |
| 3a. Address<br>20 North Broadway<br>Oklahoma City, Oklahoma City 73102-8260                                                                                                                                                                              | 3b. Phone No. (include area code)<br>405-228-8699 | 10. Field and Pool, or Exploratory<br>Jingle Wells, Avalon Shale WILDCAT 65<br>(96403) |
| 4. Location of Well (Report location clearly and in accordance with any State requirements.)<br>At surface (4/4 M) SW/4 SW/4 85 FSL & 470 FWL PP: SEC 23 T23S 31E, 56 FNL 425 EFW<br>At proposed prod. zone W/2 SW/4 2600 FSL & 350 FWL SEC 23 T23S R31E |                                                   | 11. Sec., T. R. M. or Blk. and Survey or Area<br>SEC 26 T23S R31E UNIT M               |
| 14. Distance in miles and direction from nearest town or post office*<br>Approximately 22 miles east of Loving, NM.                                                                                                                                      |                                                   | 12. County or Parish<br>Eddy County                                                    |
| 15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)<br>85'                                                                                                                             |                                                   | 13. State<br>NM                                                                        |
| 16. No. of acres in lease<br>1960 Acres                                                                                                                                                                                                                  |                                                   | 17. Spacing Unit dedicated to this well<br>240 Acres                                   |
| 18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.<br>See Attached Map                                                                                                                           |                                                   | 20. BLM/BIA Bond No. on file<br>CO-1104                                                |
| 21. Elevations (Show whether DF, KDB, RT, GL, etc.)<br>3452' GL                                                                                                                                                                                          |                                                   | 22. Approximate date work will start*                                                  |
| 23. Estimated duration<br>45 days                                                                                                                                                                                                                        |                                                   | 24. Attachments                                                                        |

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification
- Such other site specific information and/or plans as may be required by the authorized officer.

|                                                                                                      |                                         |                    |
|------------------------------------------------------------------------------------------------------|-----------------------------------------|--------------------|
| 25. Signature<br> | Name (Printed/Typed)<br>Judy A. Barnett | Date<br>12/27/2010 |
| Title<br>Regulatory Analyst                                                                          |                                         |                    |

|                                              |                                           |                           |
|----------------------------------------------|-------------------------------------------|---------------------------|
| Approved by (Signature)<br>/s/ Jesse J. Juen | Name (Printed/Typed)<br>/s/ Jesse J. Juen | Date<br>MAR 07 2011       |
| Title FOR<br>STATE DIRECTOR                  |                                           | Office<br>NM STATE OFFICE |

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
Conditions of approval, if any, are attached.

APPROVAL FOR TWO YEARS

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on page 2)

OCD CONDITION OF APPROVAL for Drilling:  
Intent to drill ONLY --- CANNOT produce until the Non-Standard  
Location has been approved by OCD Santa Fe office.

KB 03/31/11

CARLSEAD CONTROLLED WATER BASIN

SEE ATTACHED FOR  
CONDITIONS OF APPROVALAPPROVAL SUBJECT TO  
GENERAL REQUIREMENTS  
AND SPECIAL STIPULATIONS  
ATTACHED

**DRILLING PROGRAM**

Devon Energy Production Company, LP

**Aldabra 26 Fed Com 1H**

Surface Location: 85' FSL & 470' FWL, Unit M, Sec 26 T23S R31E, Eddy, NM

Bottom Hole Location: 2600' FSL & 350' FWL, Unit L, Sec 23 T23S R31E, Eddy, NM

**1. Geologic Name of Surface Formation**

a. Quaternary

**2. Estimated Tops of Geological Markers & Depths of Anticipated Fresh Water, Oil or Gas:**

|                                 |         |             |
|---------------------------------|---------|-------------|
| a. Quaternary                   | 180'    | Fresh Water |
| b. Rustler Dol                  | 661'    |             |
| c. Salado Salt                  | 992'    |             |
| d. Base of Salt                 | 4105'   |             |
| e. Lamar                        | 4349'   | Oil         |
| f. Bell Canyon                  | 4402'   | Oil         |
| g. Cherry Canyon                | 5259'   | Oil         |
| h. Brushy Canyon                | 6886'   | Oil         |
| i. Avalon/Top of Bone Spring FM | 8176'   | Oil/Gas     |
| Total Depth                     | 16,620' |             |

No other formations are expected to yield oil, gas or fresh water in measurable volumes. The surface fresh water sands will be protected by setting 13 3/8" casing at 725' and circulating cement back to surface. Fresh water sands will be protected by setting 9 5/8" casing at 4375' and circulating cement to surface. The Bone Spring intervals will be isolated by setting 5 1/2" casing to total depth and circulating cement above the base of the 9 5/8" casing. *See COA*

**Casing Program:**

| <u>Hole Size</u> | <u>Hole Interval</u> | <u>OD Csg</u> | <u>Casing Interval</u> | <u>Weight</u> | <u>Collar</u> | <u>Grade</u> |
|------------------|----------------------|---------------|------------------------|---------------|---------------|--------------|
| 17 1/2"          | 0-725'               | 13 3/8"       | 0'-725'                | 48#           | ST&C          | H-40         |
| 12 1/4"          | 725-4375'            | 9 5/8"        | 0'-4375'               | 40#           | LT&C          | J-55         |
| 8 3/4"           | 4375-7500'           | 5 1/2"        | 0'-7500'               | 20#           | LT&C          | HCP110       |
| 8 3/4"           | 7500-16,620'         | 5 1/2"        | 7500-16,620'           | 17#           | BT&C          | HCP-110      |

**Design Parameter Factors:**

| <u>Casing Size</u> | <u>Collapse Design Factor</u> | <u>Burst Design Factor</u> | <u>Tension Design Factor</u> |
|--------------------|-------------------------------|----------------------------|------------------------------|
| 13 3/8"            | 2.27                          | 5.10                       | 9.25                         |
| 9 5/8" 40#         | 1.13                          | 1.74                       | 2.97                         |
| 5 1/2" 20# LTC     | 2.13                          | 3.03                       | 1.55                         |
| 5 1/2" 17#BTC      | 1.77                          | 2.53                       | 3.42                         |

3.

**Cement Program:**

*\* See COA - Wait on Cement time*

13 3/8" Surface

**Lead:** 500 sacks Class C Cement + 2% bwoc Calcium Chloride + 0.125 lbs/sack Cello Flake + 4% bwoc Bentonite + 81.4% Fresh Water, 13.5 ppg **Yield:** 1.75 cf/sk **TOC @ surface**  
**Tail:** 250 sacks Class C Cement + 2% bwoc Calcium Chloride + 0.125 lbs/sack Cello Flake + 56.3% Fresh Water, 14.8 ppg **Yield:** 1.35 cf/sk

9 5/8" Intermediate

**Lead:** 1,200 sacks (35:65) Poz (Fly Ash):Class C Cement + 5% bwow Sodium Chloride + 0.125 lbs/sack Cello Flake + 6% bwoc Bentonite + 107.8% Fresh Water, 12.5 ppg **Yield:** 2.04 cf/sk  
**TOC @ surface**

**Tail:** 300 sacks (60:40) Poz (Fly Ash):Class C Cement + 5% bwow Sodium Chloride + 0.125 lbs/sack Cello Flake + 0.4% bwoc Sodium Metasilicate + 4% bwoc MPA-5 + 64.7% Water, 13.8 ppg **Yield:** 1.37 cf/sk

5 1/2" Production

**1<sup>st</sup> Stage**

**Lead:** 560 sacks (35:65) Poz (Fly Ash):Class H Cement + 5% bwow Sodium Chloride + 0.3% bwoc CD-32 + 0.5% bwoc FL-25 + 2% bwoc Bentonite + 0.6% bwoc Sodium Metasilicate + 0.5% bwoc FL-52A + 102.5% Fresh Water, 12.5 ppg **Yield:** 2.01 cf/sk

**Tail:** 2,200 sacks (50:50) Poz (Fly Ash):Class H Cement + 1% bwow Sodium Chloride + 0.2% bwoc R-3 + 0.125 lbs/sack Cello Flake + 0.5% bwoc BA-10A + 4% bwoc MPA-5 + 58.3% Fresh Water, 14.2 ppg **Yield:** 1.28 cf/sk

**DV TOOL at 6,000'**

**2<sup>nd</sup> Stage**

**Lead:** 325 sacks Class C Cement + 1% bwow Calcium Chloride + 0.125 lbs/sack Cello Flake + 157.8% Fresh Water, 11.4 ppg **Yield:** 2.88 cf/sk

**Tail:** 100 sacks (60:40) Poz (Fly Ash):Class C Cement + 1% bwow Sodium Chloride + 0.2% bwoc R-3 + 0.125 lbs/sack Cello Flake + 0.5% bwoc BA-10A + 4% bwoc MPA-5 + 63.2% Fresh Water, 13.8 ppg **Yield:** 1.37cf/sk

**DV TOOL at 3,800'**

**3<sup>rd</sup> Stage**

**Lead:** 375 sacks Class C Cement + 1% bwow Calcium Chloride + 0.125 lbs/sack Cello Flake + 157.8% Fresh Water, 11.4 ppg **Yield:** 2.91 cf/sk **TOC @ surface**

**Tail:** 100 sacks (60:40) Poz (Fly Ash):Class C Cement + 1% bwow Sodium Chloride + 0.2% bwoc R-3 + 0.125 lbs/sack Cello Flake + 0.5% bwoc BA-10A + 4% bwoc MPA-5 + 63.2% Fresh Water,

*13 ppg Yield: 1.37 cf/sk - per operator*

The above cement volumes could be revised pending the caliper measurement from the open hole logs. All casing is new and API approved.

**Pressure Control Equipment:**

The BOP system used to drill the intermediate hole will consist of a 13-5/8" 3M ~~Double~~ *Triple* Ram and Annular preventer. The BOP system will be tested as per BLM Onshore Oil and Gas Order No. 2 as a 3M system prior to drilling out the surface casing shoe.

The BOP system used to drill the production hole will consist of a 13-5/8" 3M ~~Double~~ *Triple* Ram and Annular preventer. The BOP system will be tested as per BLM Onshore Oil and Gas Order No. 2 as a 3M system prior to drilling out the intermediate casing shoe.

The pipe rams will be operated and checked each 24 hour period and each time the drill pipe is out of the hole. These tests will be logged in the daily driller's log. A 2" kill line and 3" choke line will be incorporated into the drilling spool below the ram BOP. In addition to the rams and annular preventer, additional BOP accessories include a kelly cock, floor safety valve, choke lines, and choke manifold rated at 3,000 psi WP.

Devon requests a variance to use a flexible line with flanged ends between the BOP and the choke manifold (choke line). The line will be kept as straight as possible with minimal turns.

*See COA  
For DV-TOOL  
& Cement*

*See  
COA*

*See  
COA*

**Proposed Mud Circulation System**

See  
COA

| <u>Depth</u>    | <u>Mud Wt.</u> | <u>Visc</u> | <u>Fluid Loss</u> | <u>Type System</u> |
|-----------------|----------------|-------------|-------------------|--------------------|
| 0' - 725'       | 8.4-9.0        | 30-34       | NC                | FW                 |
| 725' - 4375'    | 9.8-10.0       | 28-32       | NC                | Brine              |
| 4375' - 16,620' | 8.6-9.0        | 28-32       | NC                | FW                 |

The necessary mud products for weight addition and fluid loss control will be on location at all times.

4. **Auxiliary Well Control and Monitoring Equipment:**

- A Kelly cock will be in the drill string at all times.
- A full opening drill pipe stabbing valve having the appropriate connections will be on the rig floor at all times.
- Hydrogen Sulfide detection equipment will be in operation after drilling out the 13 3/8" casing shoe until the 5 1/2" casing is cemented. Breathing equipment will be on location upon drilling the 13 3/8" shoe until total depth is reached.

5. \* **Logging, Coring, and Testing Program:**

- See  
COA
- Drill stem tests will be based on geological sample shows.
  - If a drill stem test is anticipated; a procedure, equipment to be used and safety measures will be provided via sundry notice to the BLM.
  - The open hole electrical logging program will be:
    - Total Depth to Intermediate Casing Dual Laterolog-Micro Laterolog with SP and Gamma Ray. Compensated Neutron - Z Density log with Gamma Ray and Caliper.
    - Total Depth to Surface Compensated Neutron with Gamma Ray
    - No coring program is planned
    - Additional testing will be initiated subsequent to setting the 5 1/2" production casing. Specific intervals will be targeted based on log evaluation, geological sample shows and drill stem tests.

6. **Potential Hazards:**

- No abnormal pressures or temperatures are expected. There is no known presence of H2S in this area. If H2S is encountered the operator will comply with the provisions of Onshore Oil and Gas Order No. 6 No lost circulation is expected to occur. All personnel will be familiar with all aspects of safe operation of equipment being used to drill this well. Estimated BHP 4200 psi and Estimated BHT 140°. No H2S is anticipated to be encountered.

7. **Anticipated Starting Date and Duration of Operations:**

- See  
COA
- Road and location construction will begin after the BLM has approved the APD. Anticipated spud date will be as soon after BLM approval and as soon as a rig will be available. Move in operations and drilling is expected to take 32 days. If production casing is run then an additional 30 days will be needed to complete well and construct surface facilities and/or lay flow lines in order to place well on production. Depending on rig availability, Devon may set the surface casing using an Ashton Oilfield Services rig. The rig plat is attached. This rig will be used only to set the surface casing and will leave the location once the surface casing has been run and cemented. Another rig will drill the remainder of the wellbore. The reasons for using the smaller rig to set surface are: rig availability and economics.

\* The BLM will be contacted 24 hours prior to commencing drilling operations. The surface casing will be run and cemented back to surface as per the approved APD. The well will be secured with a cap welded onto the surface casing. Another rig will be on location to drill the remainder of the wellbore within 60 days after the Ashton rig has left the location.



## **Devon Energy, Inc.**

**Eddy County**

**Aldabra "26" Fed**

**#1H**

**OH**

**Plan: Plan #1**

## **Pathfinder X & Y Planning Report**

**12 October, 2010**

**PATHFINDER<sup>®</sup>**

**A Schlumberger Company**



Project: Eddy County  
Site: Aldabra "26" Fed  
Well: #1H  
Wellbore: OH  
Plan: Plan #1 (#1H/OH)

PROJECT DETAILS: Eddy County  
Geodetic System: US State Plane 1983  
Datum: North American Datum 1983  
Ellipsoid: GRS 1980  
Zone: New Mexico Eastern Zone  
System Datum: Mean Sea Level  
Local North: Grid



Azimuths to Grid North  
True North: -0.31°  
Magnetic North: 7.44°

Magnetic Field  
Strength: 48724.0snT  
Dip Angle: 60.23°  
Date: 10/12/2010  
Model: IGRF200510

**PATHFINDER**  
A Schlumberger Company

West(-)/East(+) (300 ft/in)

| SECTION DETAILS |          |       |        |         |         |         |      |        |         |                   |
|-----------------|----------|-------|--------|---------|---------|---------|------|--------|---------|-------------------|
| Sec             | MD       | Inc   | Azi    | TVD     | +N-S    | +E-W    | DLeg | TFace  | VSec    | Target            |
| 1               | 0.00     | 0.00  | 0.00   | 0.00    | 0.00    | 0.00    | 0.00 | 0.00   | 0.00    |                   |
| 2               | 7627.00  | 0.00  | 0.00   | 7627.00 | 0.00    | 0.00    | 0.00 | 0.00   | 0.00    |                   |
| 3               | 7952.89  | 26.08 | 191.81 | 7941.75 | -71.36  | -14.92  | 8.00 | 191.81 | -71.04  |                   |
| 4               | 9395.48  | 90.00 | 359.69 | 8960.00 | 574.42  | -123.00 | 8.00 | 166.58 | 576.85  | Aldabra26#1H_HEAL |
| 5               | 16620.49 | 90.00 | 359.69 | 8960.00 | 7799.32 | -161.65 | 0.00 | 0.00   | 7801.00 | Aldabra26#1H_BHL  |

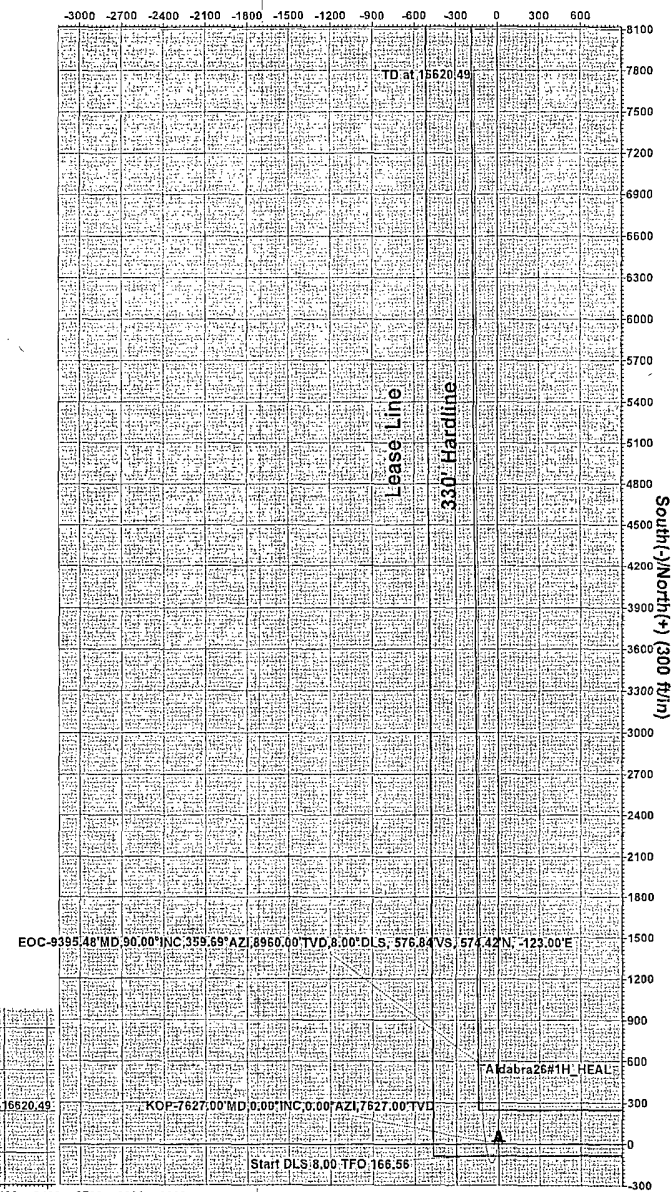
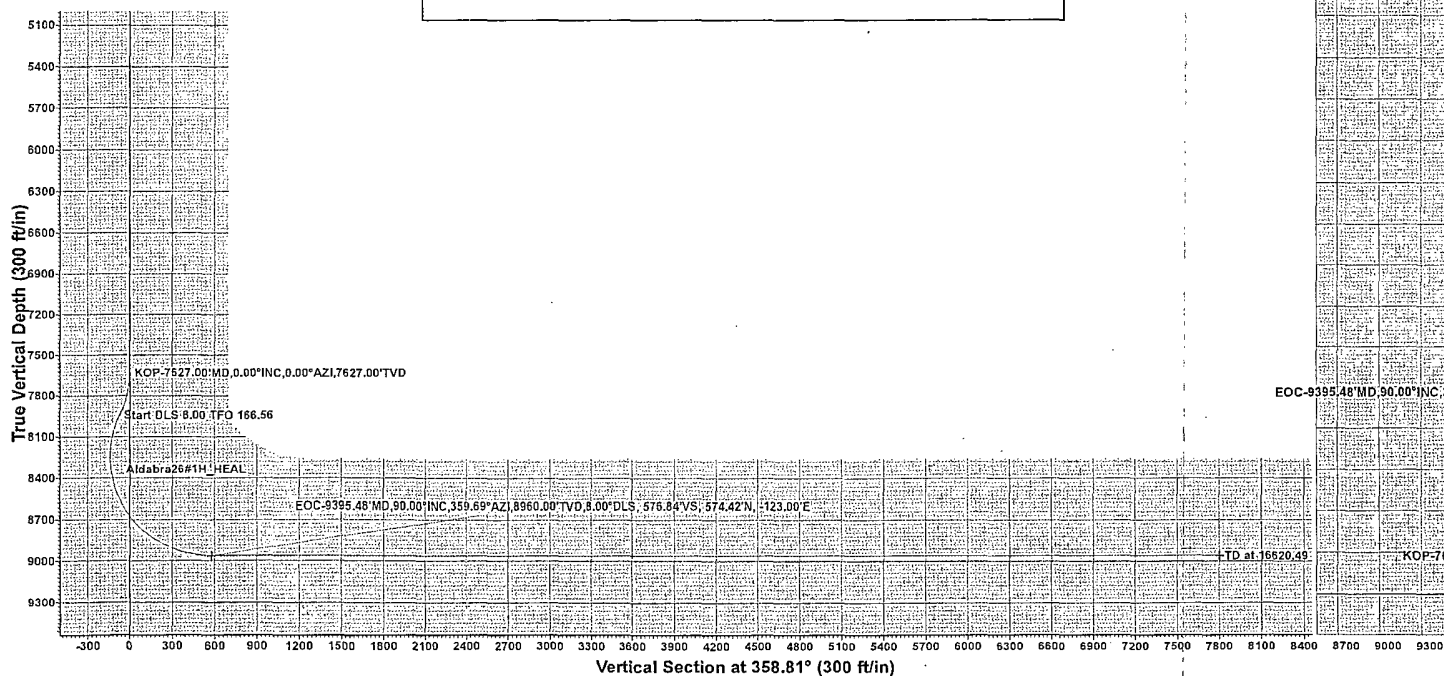
WELL DETAILS: #1H

Ground Elevation: 3452.20  
RKB Elevation: RKBtoGL-25' @ 3477.20ft (H&P #416)  
Rig Name: H&P #416

| +N-S | +E-W | Northing   | Easting    | Latitude        | Longitude         | Slot |
|------|------|------------|------------|-----------------|-------------------|------|
| 0.00 | 0.00 | 461866.660 | 719904.560 | 32° 16' 6.330 N | 103° 45' 20.171 W |      |

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

| Name                      | TVD     | +N-S    | +E-W       | Northing   | Easting | Shape |
|---------------------------|---------|---------|------------|------------|---------|-------|
| Aldabra26#1H_BHL 8960.00  | 7799.32 | -161.65 | 459665.980 | 719742.910 |         | Point |
| Aldabra26#1H_HEAL 8960.00 | 574.42  | -123.00 | 462441.080 | 719781.560 |         | Point |



Plan: Plan #1 (#1H/OH)  
Created By: Nate Bingham Date: 15:37, October 12 2010



# Pathfinder

## Pathfinder X & Y Planning Report



**Company:** Devon Energy, Inc.  
**Project:** Eddy County  
**Site:** Aldabra "26" Fed  
**Well:** #1H  
**Wellbore:** OH  
**Design:** Plan #1

**Local Co-ordinate Reference:** Well #1H  
**TVD Reference:** RKBtoGL-25' @ 3477.20ft (H&P #416)  
**MD Reference:** RKBtoGL-25' @ 3477.20ft (H&P #416)  
**North Reference:** Grid  
**Survey Calculation Method:** Minimum Curvature  
**Database:** Midland Database

|                    |                           |                                     |
|--------------------|---------------------------|-------------------------------------|
| <b>Project</b>     | Eddy County               |                                     |
| <b>Map System:</b> | US State Plane 1983       | <b>System Datum:</b> Mean Sea Level |
| <b>Geo Datum:</b>  | North American Datum 1983 |                                     |
| <b>Map Zone:</b>   | New Mexico Eastern Zone   |                                     |

|                              |                  |                     |                |                                     |
|------------------------------|------------------|---------------------|----------------|-------------------------------------|
| <b>Site</b>                  | Aldabra "26" Fed |                     |                |                                     |
| <b>Site Position:</b>        |                  | <b>Northing:</b>    | 461,866.660 ft | <b>Latitude:</b> 32° 16' 6.330 N    |
| <b>From:</b> Map             |                  | <b>Easting:</b>     | 719,904.560 ft | <b>Longitude:</b> 103° 45' 20.171 W |
| <b>Position Uncertainty:</b> | 0.00 ft          | <b>Slot Radius:</b> |                | <b>Grid Convergence:</b> 0.31 °     |

|                             |         |         |                            |                                     |
|-----------------------------|---------|---------|----------------------------|-------------------------------------|
| <b>Well</b>                 | #1H     |         |                            |                                     |
| <b>Well Position</b>        | +N/-S   | 0.00 ft | <b>Northing:</b>           | 461,866.660 ft                      |
|                             | +E/-W   | 0.00 ft | <b>Easting:</b>            | 719,904.560 ft                      |
| <b>Position Uncertainty</b> | 0.00 ft |         | <b>Wellhead Elevation:</b> | ft                                  |
|                             |         |         |                            | <b>Latitude:</b> 32° 16' 6.330 N    |
|                             |         |         |                            | <b>Longitude:</b> 103° 45' 20.171 W |
|                             |         |         |                            | <b>Ground Level:</b> 3,452.20 ft    |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Wellbore</b>  | OH                |                    |                        |                      |                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                  | IGRF200510        | 10/12/10           | 7.74                   | 60.23                | 48,724                     |

|                          |                              |                    |                      |                      |  |
|--------------------------|------------------------------|--------------------|----------------------|----------------------|--|
| <b>Design</b>            | Plan #1                      |                    |                      |                      |  |
| <b>Audit Notes:</b>      |                              |                    |                      |                      |  |
| <b>Version:</b>          |                              | <b>Phase:</b> PLAN | <b>Tie On Depth:</b> | 0.00                 |  |
| <b>Vertical Section:</b> | <b>Depth From (TVD) (ft)</b> | <b>+N/-S (ft)</b>  | <b>+E/-W (ft)</b>    | <b>Direction (°)</b> |  |
|                          | 0.00                         | 0.00               | 0.00                 | 358.81               |  |

|                            |                      |                          |                  |                    |  |
|----------------------------|----------------------|--------------------------|------------------|--------------------|--|
| <b>Survey Tool Program</b> | <b>Date</b> 10/12/10 |                          |                  |                    |  |
| <b>From (ft)</b>           | <b>To (ft)</b>       | <b>Survey (Wellbore)</b> | <b>Tool Name</b> | <b>Description</b> |  |
| 0.00                       | 16,620.49            | Plan #1 (OH)             | Pathfinder       | Pathfinder MWD     |  |



Pathfinder  
Pathfinder X & Y Planning Report



Company: Devon Energy, Inc.  
Project: Eddy County  
Site: Aldabra "26" Fed  
Well: #1H  
Wellbore: OH  
Design: Plan #1

Local Co-ordinate Reference: Well #1H  
TVD Reference: RKBtoGL-25' @ 3477.20ft (H&P #416)  
MD Reference: RKBtoGL-25' @ 3477.20ft (H&P #416) -  
North Reference: Grid  
Survey Calculation Method: Minimum Curvature  
Database: Midland Database

Planned Survey

| MD<br>(ft) | Inc<br>(°) | Azi<br>(°) | TVD<br>(ft) | TVDSS<br>(ft) | N/S<br>(ft) | E/W<br>(ft) | V. Sec<br>(ft) | DLeg<br>(°/100ft) | Northing<br>(ft) | Easting<br>(ft) |
|------------|------------|------------|-------------|---------------|-------------|-------------|----------------|-------------------|------------------|-----------------|
| 0.00       | 0.00       | 0.00       | 0.00        | -3,477.20     | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 100.00     | 0.00       | 0.00       | 100.00      | -3,377.20     | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 200.00     | 0.00       | 0.00       | 200.00      | -3,277.20     | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 300.00     | 0.00       | 0.00       | 300.00      | -3,177.20     | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 400.00     | 0.00       | 0.00       | 400.00      | -3,077.20     | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 500.00     | 0.00       | 0.00       | 500.00      | -2,977.20     | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 600.00     | 0.00       | 0.00       | 600.00      | -2,877.20     | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 700.00     | 0.00       | 0.00       | 700.00      | -2,777.20     | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 800.00     | 0.00       | 0.00       | 800.00      | -2,677.20     | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 900.00     | 0.00       | 0.00       | 900.00      | -2,577.20     | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 1,000.00   | 0.00       | 0.00       | 1,000.00    | -2,477.20     | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 1,100.00   | 0.00       | 0.00       | 1,100.00    | -2,377.20     | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 1,200.00   | 0.00       | 0.00       | 1,200.00    | -2,277.20     | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 1,300.00   | 0.00       | 0.00       | 1,300.00    | -2,177.20     | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 1,400.00   | 0.00       | 0.00       | 1,400.00    | -2,077.20     | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 1,500.00   | 0.00       | 0.00       | 1,500.00    | -1,977.20     | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 1,600.00   | 0.00       | 0.00       | 1,600.00    | -1,877.20     | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 1,700.00   | 0.00       | 0.00       | 1,700.00    | -1,777.20     | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 1,800.00   | 0.00       | 0.00       | 1,800.00    | -1,677.20     | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 1,900.00   | 0.00       | 0.00       | 1,900.00    | -1,577.20     | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 2,000.00   | 0.00       | 0.00       | 2,000.00    | -1,477.20     | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 2,100.00   | 0.00       | 0.00       | 2,100.00    | -1,377.20     | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 2,200.00   | 0.00       | 0.00       | 2,200.00    | -1,277.20     | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 2,300.00   | 0.00       | 0.00       | 2,300.00    | -1,177.20     | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 2,400.00   | 0.00       | 0.00       | 2,400.00    | -1,077.20     | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 2,500.00   | 0.00       | 0.00       | 2,500.00    | -977.20       | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 2,600.00   | 0.00       | 0.00       | 2,600.00    | -877.20       | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |





Pathfinder  
Pathfinder X & Y Planning Report



Company: Devon Energy, Inc.  
Project: Eddy County  
Site: Aldabra "26" Fed  
Well: #1H  
Wellbore: OH  
Design: Plan #1

Local Co-ordinate Reference: Well #1H  
TVD Reference: RKBtoGL-25' @ 3477.20ft (H&P #416)  
MD Reference: RKBtoGL-25' @ 3477.20ft (H&P #416)  
North Reference: Grid  
Survey Calculation Method: Minimum Curvature  
Database: Midland Database

Planned Survey

| MD<br>(ft) | Inc<br>(°) | Azi<br>(°) | TVD<br>(ft) | TVDSS<br>(ft) | N/S<br>(ft) | E/W<br>(ft) | V. Sec<br>(ft) | DLeg<br>(°/100ft) | Northing<br>(ft) | Easting<br>(ft) |
|------------|------------|------------|-------------|---------------|-------------|-------------|----------------|-------------------|------------------|-----------------|
| 2,700.00   | 0.00       | 0.00       | 2,700.00    | -777.20       | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 2,800.00   | 0.00       | 0.00       | 2,800.00    | -677.20       | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 2,900.00   | 0.00       | 0.00       | 2,900.00    | -577.20       | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 3,000.00   | 0.00       | 0.00       | 3,000.00    | -477.20       | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 3,100.00   | 0.00       | 0.00       | 3,100.00    | -377.20       | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 3,200.00   | 0.00       | 0.00       | 3,200.00    | -277.20       | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 3,300.00   | 0.00       | 0.00       | 3,300.00    | -177.20       | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 3,400.00   | 0.00       | 0.00       | 3,400.00    | -77.20        | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 3,500.00   | 0.00       | 0.00       | 3,500.00    | 22.80         | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 3,600.00   | 0.00       | 0.00       | 3,600.00    | 122.80        | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 3,700.00   | 0.00       | 0.00       | 3,700.00    | 222.80        | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 3,800.00   | 0.00       | 0.00       | 3,800.00    | 322.80        | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 3,900.00   | 0.00       | 0.00       | 3,900.00    | 422.80        | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 4,000.00   | 0.00       | 0.00       | 4,000.00    | 522.80        | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 4,100.00   | 0.00       | 0.00       | 4,100.00    | 622.80        | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 4,200.00   | 0.00       | 0.00       | 4,200.00    | 722.80        | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 4,300.00   | 0.00       | 0.00       | 4,300.00    | 822.80        | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 4,400.00   | 0.00       | 0.00       | 4,400.00    | 922.80        | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 4,500.00   | 0.00       | 0.00       | 4,500.00    | 1,022.80      | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 4,600.00   | 0.00       | 0.00       | 4,600.00    | 1,122.80      | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 4,700.00   | 0.00       | 0.00       | 4,700.00    | 1,222.80      | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 4,800.00   | 0.00       | 0.00       | 4,800.00    | 1,322.80      | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 4,900.00   | 0.00       | 0.00       | 4,900.00    | 1,422.80      | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 5,000.00   | 0.00       | 0.00       | 5,000.00    | 1,522.80      | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 5,100.00   | 0.00       | 0.00       | 5,100.00    | 1,622.80      | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 5,200.00   | 0.00       | 0.00       | 5,200.00    | 1,722.80      | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 5,300.00   | 0.00       | 0.00       | 5,300.00    | 1,822.80      | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |



Pathfinder  
Pathfinder X & Y Planning Report



Company: Devon Energy, Inc.  
Project: Eddy County  
Site: Aldabra "26" Fed  
Well: #1H  
Wellbore: OH  
Design: Plan #1

Local Co-ordinate Reference: Well #1H  
TVD Reference: RKBtoGL-25' @ 3477.20ft (H&P #416)  
MD Reference: RKBtoGL-25' @ 3477.20ft (H&P #416)  
North Reference: Grid  
Survey Calculation Method: Minimum Curvature  
Database: Midland Database

Planned Survey

| MD<br>(ft)                                   | Inc<br>(°) | Azi<br>(°) | TVD<br>(ft) | TVDSS<br>(ft) | N/S<br>(ft) | E/W<br>(ft) | V. Sec<br>(ft) | DLeg<br>(°/100ft) | Northing<br>(ft) | Easting<br>(ft) |
|----------------------------------------------|------------|------------|-------------|---------------|-------------|-------------|----------------|-------------------|------------------|-----------------|
| 5,400.00                                     | 0.00       | 0.00       | 5,400.00    | 1,922.80      | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 5,500.00                                     | 0.00       | 0.00       | 5,500.00    | 2,022.80      | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 5,600.00                                     | 0.00       | 0.00       | 5,600.00    | 2,122.80      | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 5,700.00                                     | 0.00       | 0.00       | 5,700.00    | 2,222.80      | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 5,800.00                                     | 0.00       | 0.00       | 5,800.00    | 2,322.80      | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 5,900.00                                     | 0.00       | 0.00       | 5,900.00    | 2,422.80      | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 6,000.00                                     | 0.00       | 0.00       | 6,000.00    | 2,522.80      | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 6,100.00                                     | 0.00       | 0.00       | 6,100.00    | 2,622.80      | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 6,200.00                                     | 0.00       | 0.00       | 6,200.00    | 2,722.80      | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 6,300.00                                     | 0.00       | 0.00       | 6,300.00    | 2,822.80      | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 6,400.00                                     | 0.00       | 0.00       | 6,400.00    | 2,922.80      | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 6,500.00                                     | 0.00       | 0.00       | 6,500.00    | 3,022.80      | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 6,600.00                                     | 0.00       | 0.00       | 6,600.00    | 3,122.80      | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 6,700.00                                     | 0.00       | 0.00       | 6,700.00    | 3,222.80      | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 6,800.00                                     | 0.00       | 0.00       | 6,800.00    | 3,322.80      | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 6,900.00                                     | 0.00       | 0.00       | 6,900.00    | 3,422.80      | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 7,000.00                                     | 0.00       | 0.00       | 7,000.00    | 3,522.80      | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 7,100.00                                     | 0.00       | 0.00       | 7,100.00    | 3,622.80      | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 7,200.00                                     | 0.00       | 0.00       | 7,200.00    | 3,722.80      | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 7,300.00                                     | 0.00       | 0.00       | 7,300.00    | 3,822.80      | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 7,400.00                                     | 0.00       | 0.00       | 7,400.00    | 3,922.80      | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 7,500.00                                     | 0.00       | 0.00       | 7,500.00    | 4,022.80      | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 7,600.00                                     | 0.00       | 0.00       | 7,600.00    | 4,122.80      | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| 7,627.00                                     | 0.00       | 0.00       | 7,627.00    | 4,149.80      | 0.00        | 0.00        | 0.00           | 0.00              | 461,866.66       | 719,904.56      |
| KOP-7627.00'MD,0.00°INC,0.00°AZI,7627.00'TVD |            |            |             |               |             |             |                |                   |                  |                 |
| 7,650.00                                     | 1.84       | 191.81     | 7,650.00    | 4,172.80      | -0.36       | -0.08       | -0.36          | 8.00              | 461,866.30       | 719,904.48      |
| 7,700.00                                     | 5.84       | 191.81     | 7,699.87    | 4,222.67      | -3.64       | -0.76       | -3.62          | 8.00              | 461,863.02       | 719,903.80      |



Pathfinder  
Pathfinder X & Y Planning Report



Company: Devon Energy, Inc.  
Project: Eddy County  
Site: Aldabra "26" Fed  
Well: #1H  
Wellbore: OH  
Design: Plan #1

Local Co-ordinate Reference: Well #1H  
TVD Reference: RKBtoGL-25' @ 3477.20ft (H&P #416)  
MD Reference: RKBtoGL-25' @ 3477.20ft (H&P #416)  
North Reference: Grid  
Survey Calculation Method: Minimum Curvature  
Database: Midland Database

Planned Survey

| MD<br>(ft)                | Inc<br>(°) | Azi<br>(°) | TVD<br>(ft) | TVDSS<br>(ft) | N/S<br>(ft) | E/W<br>(ft) | V. Sec<br>(ft) | DLeg<br>(°/100ft) | Northing<br>(ft) | Easting<br>(ft) |
|---------------------------|------------|------------|-------------|---------------|-------------|-------------|----------------|-------------------|------------------|-----------------|
| 7,750.00                  | 9.84       | 191.81     | 7,749.40    | 4,272.20      | -10.32      | -2.16       | -10.27         | 8.00              | 461,856.34       | 719,902.40      |
| 7,800.00                  | 13.85      | 191.81     | 7,798.32    | 4,321.12      | -20.36      | -4.26       | -20.27         | 8.00              | 461,846.30       | 719,900.30      |
| 7,850.00                  | 17.85      | 191.81     | 7,846.41    | 4,369.21      | -33.72      | -7.05       | -33.57         | 8.00              | 461,832.94       | 719,897.51      |
| 7,900.00                  | 21.85      | 191.81     | 7,893.43    | 4,416.23      | -50.34      | -10.52      | -50.11         | 8.00              | 461,816.32       | 719,894.04      |
| 7,952.89                  | 26.08      | 191.81     | 7,941.75    | 4,464.55      | -71.36      | -14.92      | -71.04         | 8.00              | 461,795.30       | 719,889.64      |
| Start DLS 8.00 TFO 166.56 |            |            |             |               |             |             |                |                   |                  |                 |
| 8,000.00                  | 22.43      | 194.11     | 7,984.69    | 4,507.49      | -90.22      | -19.23      | -89.81         | 8.00              | 461,776.44       | 719,885.33      |
| 8,050.00                  | 18.61      | 197.46     | 8,031.52    | 4,554.32      | -107.09     | -23.95      | -106.57        | 8.00              | 461,759.57       | 719,880.61      |
| 8,100.00                  | 14.87      | 202.46     | 8,079.39    | 4,602.19      | -120.63     | -28.80      | -120.01        | 8.00              | 461,746.03       | 719,875.76      |
| 8,150.00                  | 11.31      | 210.61     | 8,128.09    | 4,650.89      | -130.78     | -33.75      | -130.06        | 8.00              | 461,735.88       | 719,870.81      |
| 8,200.00                  | 8.16       | 225.46     | 8,177.37    | 4,700.17      | -137.49     | -38.78      | -136.66        | 8.00              | 461,729.17       | 719,865.78      |
| 8,250.00                  | 6.10       | 253.68     | 8,227.00    | 4,749.80      | -140.73     | -43.86      | -139.79        | 8.00              | 461,725.93       | 719,860.70      |
| 8,300.00                  | 6.31       | 291.33     | 8,276.72    | 4,799.52      | -140.48     | -48.97      | -139.43        | 8.00              | 461,726.18       | 719,855.59      |
| 8,350.00                  | 8.62       | 317.01     | 8,326.31    | 4,849.11      | -136.74     | -54.08      | -135.59        | 8.00              | 461,729.92       | 719,850.48      |
| 8,400.00                  | 11.86      | 330.40     | 8,375.51    | 4,898.31      | -129.53     | -59.18      | -128.27        | 8.00              | 461,737.13       | 719,845.38      |
| 8,450.00                  | 15.46      | 337.88     | 8,424.10    | 4,946.90      | -118.88     | -64.23      | -117.53        | 8.00              | 461,747.78       | 719,840.33      |
| 8,500.00                  | 19.21      | 342.55     | 8,471.82    | 4,994.62      | -104.86     | -69.21      | -103.40        | 8.00              | 461,761.80       | 719,835.35      |
| 8,550.00                  | 23.05      | 345.72     | 8,518.45    | 5,041.25      | -87.51      | -74.09      | -85.96         | 8.00              | 461,779.15       | 719,830.47      |
| 8,600.00                  | 26.93      | 348.03     | 8,563.76    | 5,086.56      | -66.94      | -78.86      | -65.30         | 8.00              | 461,799.72       | 719,825.70      |
| 8,650.00                  | 30.84      | 349.79     | 8,607.53    | 5,130.33      | -43.24      | -83.48      | -41.50         | 8.00              | 461,823.42       | 719,821.08      |
| 8,700.00                  | 34.77      | 351.18     | 8,649.55    | 5,172.35      | -16.53      | -87.94      | -14.70         | 8.00              | 461,850.13       | 719,816.62      |
| 8,750.00                  | 38.72      | 352.33     | 8,689.60    | 5,212.40      | 13.07       | -92.21      | 14.98          | 8.00              | 461,879.73       | 719,812.35      |
| 8,800.00                  | 42.67      | 353.29     | 8,727.51    | 5,250.31      | 45.41       | -96.28      | 47.39          | 8.00              | 461,912.07       | 719,808.28      |
| 8,850.00                  | 46.63      | 354.12     | 8,763.07    | 5,285.87      | 80.33       | -100.12     | 82.38          | 8.00              | 461,946.99       | 719,804.44      |
| 8,900.00                  | 50.59      | 354.85     | 8,796.13    | 5,318.93      | 117.66      | -103.72     | 119.78         | 8.00              | 461,984.32       | 719,800.84      |
| 8,950.00                  | 54.56      | 355.50     | 8,826.51    | 5,349.31      | 157.22      | -107.05     | 159.40         | 8.00              | 462,023.88       | 719,797.51      |
| 9,000.00                  | 58.53      | 356.09     | 8,854.07    | 5,376.87      | 198.81      | -110.11     | 201.05         | 8.00              | 462,065.47       | 719,794.45      |



Pathfinder  
Pathfinder X & Y Planning Report



Company: Devon Energy, Inc.  
Project: Eddy County  
Site: Aldabra "26" Fed  
Well: #1H  
Wellbore: OH  
Design: Plan #1

Local Co-ordinate Reference: Well #1H  
TVD Reference: RKBtoGL-25' @ 3477.20ft (H&P #416)  
MD Reference: RKBtoGL-25' @ 3477.20ft (H&P #416)  
North Reference: Grid  
Survey Calculation Method: Minimum Curvature  
Database: Midland Database

Planned Survey

| MD<br>(ft)                                                                                                          | Inc<br>(°) | Azi<br>(°) | TVD<br>(ft) | TVDSS<br>(ft) | N/S<br>(ft) | E/W<br>(ft) | V. Sec<br>(ft) | DLeg<br>(°/100ft) | Northing<br>(ft) | Easting<br>(ft) |
|---------------------------------------------------------------------------------------------------------------------|------------|------------|-------------|---------------|-------------|-------------|----------------|-------------------|------------------|-----------------|
| 9,050.00                                                                                                            | 62.51      | 356.63     | 8,878.67    | 5,401.47      | 242.24      | -112.87     | 244.53         | 8.00              | 462,108.90       | 719,791.69      |
| 9,100.00                                                                                                            | 66.48      | 357.13     | 8,900.19    | 5,422.99      | 287.29      | -115.32     | 289.62         | 8.00              | 462,153.95       | 719,789.24      |
| 9,150.00                                                                                                            | 70.46      | 357.60     | 8,918.54    | 5,441.34      | 333.75      | -117.45     | 336.11         | 8.00              | 462,200.41       | 719,787.11      |
| 9,200.00                                                                                                            | 74.44      | 358.05     | 8,933.61    | 5,456.41      | 381.37      | -119.26     | 383.76         | 8.00              | 462,248.03       | 719,785.30      |
| 9,250.00                                                                                                            | 78.42      | 358.49     | 8,945.34    | 5,468.14      | 429.95      | -120.72     | 432.35         | 8.00              | 462,296.61       | 719,783.84      |
| 9,300.00                                                                                                            | 82.40      | 358.91     | 8,953.67    | 5,476.47      | 479.22      | -121.84     | 481.65         | 8.00              | 462,345.88       | 719,782.72      |
| 9,350.00                                                                                                            | 86.38      | 359.32     | 8,958.56    | 5,481.36      | 528.97      | -122.61     | 531.40         | 8.00              | 462,395.63       | 719,781.95      |
| 9,395.48                                                                                                            | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 574.42      | -123.00     | 576.85         | 8.00              | 462,441.08       | 719,781.56      |
| <b>EOC-9395.48'MD,90.00°INC,359.69°AZI,8960.00'TVD,8.00°DLS, 576.84°VS, 574.42°N, -123.00°E - Aldabra26#1H_HEAL</b> |            |            |             |               |             |             |                |                   |                  |                 |
| 9,400.00                                                                                                            | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 578.94      | -123.02     | 581.36         | 0.00              | 462,445.60       | 719,781.54      |
| 9,500.00                                                                                                            | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 678.93      | -123.56     | 681.35         | 0.00              | 462,545.59       | 719,781.00      |
| 9,600.00                                                                                                            | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 778.93      | -124.09     | 781.34         | 0.00              | 462,645.59       | 719,780.47      |
| 9,700.00                                                                                                            | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 878.93      | -124.63     | 881.33         | 0.00              | 462,745.59       | 719,779.93      |
| 9,800.00                                                                                                            | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 978.93      | -125.16     | 981.31         | 0.00              | 462,845.59       | 719,779.40      |
| 9,900.00                                                                                                            | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 1,078.93    | -125.70     | 1,081.30       | 0.00              | 462,945.59       | 719,778.86      |
| 10,000.00                                                                                                           | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 1,178.93    | -126.23     | 1,181.29       | 0.00              | 463,045.59       | 719,778.33      |
| 10,100.00                                                                                                           | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 1,278.93    | -126.77     | 1,281.28       | 0.00              | 463,145.59       | 719,777.79      |
| 10,200.00                                                                                                           | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 1,378.92    | -127.30     | 1,381.27       | 0.00              | 463,245.58       | 719,777.26      |
| 10,300.00                                                                                                           | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 1,478.92    | -127.84     | 1,481.25       | 0.00              | 463,345.58       | 719,776.72      |
| 10,400.00                                                                                                           | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 1,578.92    | -128.37     | 1,581.24       | 0.00              | 463,445.58       | 719,776.19      |
| 10,500.00                                                                                                           | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 1,678.92    | -128.91     | 1,681.23       | 0.00              | 463,545.58       | 719,775.65      |
| 10,600.00                                                                                                           | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 1,778.92    | -129.44     | 1,781.22       | 0.00              | 463,645.58       | 719,775.12      |
| 10,700.00                                                                                                           | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 1,878.92    | -129.98     | 1,881.21       | 0.00              | 463,745.58       | 719,774.58      |
| 10,800.00                                                                                                           | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 1,978.92    | -130.51     | 1,981.20       | 0.00              | 463,845.58       | 719,774.05      |
| 10,900.00                                                                                                           | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 2,078.91    | -131.05     | 2,081.18       | 0.00              | 463,945.57       | 719,773.51      |
| 11,000.00                                                                                                           | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 2,178.91    | -131.58     | 2,181.17       | 0.00              | 464,045.57       | 719,772.98      |
| 11,100.00                                                                                                           | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 2,278.91    | -132.12     | 2,281.16       | 0.00              | 464,145.57       | 719,772.44      |



Pathfinder  
Pathfinder X & Y Planning Report



Company: Devon Energy, Inc.  
Project: Eddy County  
Site: Aldabra "26" Fed  
Well: #1H  
Wellbore: OH  
Design: Plan #1

Local Co-ordinate Reference: Well #1H  
TVD Reference: RKBtoGL-25' @ 3477.20ft (H&P #416)  
MD Reference: RKBtoGL-25' @ 3477.20ft (H&P #416)  
North Reference: Grid  
Survey Calculation Method: Minimum Curvature  
Database: Midland Database

Planned Survey

| MD<br>(ft) | Inc<br>(°) | Azi<br>(°) | TVD<br>(ft) | TVDSS<br>(ft) | N/S<br>(ft) | E/W<br>(ft) | V. Sec<br>(ft) | DLeg<br>(°/100ft) | Northing<br>(ft) | Easting<br>(ft) |
|------------|------------|------------|-------------|---------------|-------------|-------------|----------------|-------------------|------------------|-----------------|
| 11,200.00  | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 2,378.91    | -132.65     | 2,381.15       | 0.00              | 464,245.57       | 719,771.91      |
| 11,300.00  | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 2,478.91    | -133.19     | 2,481.14       | 0.00              | 464,345.57       | 719,771.37      |
| 11,400.00  | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 2,578.91    | -133.72     | 2,581.12       | 0.00              | 464,445.57       | 719,770.84      |
| 11,500.00  | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 2,678.91    | -134.26     | 2,681.11       | 0.00              | 464,545.57       | 719,770.30      |
| 11,600.00  | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 2,778.90    | -134.79     | 2,781.10       | 0.00              | 464,645.56       | 719,769.77      |
| 11,700.00  | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 2,878.90    | -135.33     | 2,881.09       | 0.00              | 464,745.56       | 719,769.23      |
| 11,800.00  | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 2,978.90    | -135.86     | 2,981.08       | 0.00              | 464,845.56       | 719,768.70      |
| 11,900.00  | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 3,078.90    | -136.40     | 3,081.07       | 0.00              | 464,945.56       | 719,768.16      |
| 12,000.00  | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 3,178.90    | -136.93     | 3,181.05       | 0.00              | 465,045.56       | 719,767.63      |
| 12,100.00  | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 3,278.90    | -137.47     | 3,281.04       | 0.00              | 465,145.56       | 719,767.09      |
| 12,200.00  | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 3,378.90    | -138.00     | 3,381.03       | 0.00              | 465,245.56       | 719,766.56      |
| 12,300.00  | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 3,478.89    | -138.54     | 3,481.02       | 0.00              | 465,345.55       | 719,766.02      |
| 12,400.00  | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 3,578.89    | -139.07     | 3,581.01       | 0.00              | 465,445.55       | 719,765.49      |
| 12,500.00  | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 3,678.89    | -139.61     | 3,680.99       | 0.00              | 465,545.55       | 719,764.95      |
| 12,600.00  | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 3,778.89    | -140.14     | 3,780.98       | 0.00              | 465,645.55       | 719,764.42      |
| 12,700.00  | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 3,878.89    | -140.68     | 3,880.97       | 0.00              | 465,745.55       | 719,763.88      |
| 12,800.00  | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 3,978.89    | -141.21     | 3,980.96       | 0.00              | 465,845.55       | 719,763.35      |
| 12,900.00  | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 4,078.89    | -141.75     | 4,080.95       | 0.00              | 465,945.55       | 719,762.81      |
| 13,000.00  | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 4,178.88    | -142.28     | 4,180.94       | 0.00              | 466,045.54       | 719,762.28      |
| 13,100.00  | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 4,278.88    | -142.82     | 4,280.92       | 0.00              | 466,145.54       | 719,761.74      |
| 13,200.00  | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 4,378.88    | -143.35     | 4,380.91       | 0.00              | 466,245.54       | 719,761.21      |
| 13,300.00  | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 4,478.88    | -143.89     | 4,480.90       | 0.00              | 466,345.54       | 719,760.67      |
| 13,400.00  | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 4,578.88    | -144.42     | 4,580.89       | 0.00              | 466,445.54       | 719,760.14      |
| 13,500.00  | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 4,678.88    | -144.96     | 4,680.88       | 0.00              | 466,545.54       | 719,759.60      |
| 13,600.00  | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 4,778.88    | -145.49     | 4,780.86       | 0.00              | 466,645.54       | 719,759.07      |
| 13,700.00  | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 4,878.87    | -146.03     | 4,880.85       | 0.00              | 466,745.53       | 719,758.53      |
| 13,800.00  | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 4,978.87    | -146.56     | 4,980.84       | 0.00              | 466,845.53       | 719,758.00      |



Pathfinder  
Pathfinder X & Y Planning Report



Company: Devon Energy, Inc.  
Project: Eddy County  
Site: Aldabra "26" Fed  
Well: #1H  
Wellbore: OH  
Design: Plan #1

Local Co-ordinate Reference: Well #1H  
TVD Reference: RKBtoGL-25' @ 3477.20ft (H&P #416)  
MD Reference: RKBtoGL-25' @ 3477.20ft (H&P #416)  
North Reference: Grid  
Survey Calculation Method: Minimum Curvature  
Database: Midland Database

Planned Survey

| MD<br>(ft) | Inc<br>(°) | Azi<br>(°) | TVD<br>(ft) | TVDSS<br>(ft) | N/S<br>(ft) | E/W<br>(ft) | V. Sec<br>(ft) | DLeg<br>(°/100ft) | Northing<br>(ft) | Easting<br>(ft) |
|------------|------------|------------|-------------|---------------|-------------|-------------|----------------|-------------------|------------------|-----------------|
| 13,900.00  | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 5,078.87    | -147.10     | 5,080.83       | 0.00              | 466,945.53       | 719,757.46      |
| 14,000.00  | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 5,178.87    | -147.63     | 5,180.82       | 0.00              | 467,045.53       | 719,756.93      |
| 14,100.00  | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 5,278.87    | -148.17     | 5,280.81       | 0.00              | 467,145.53       | 719,756.39      |
| 14,200.00  | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 5,378.87    | -148.70     | 5,380.79       | 0.00              | 467,245.53       | 719,755.86      |
| 14,300.00  | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 5,478.87    | -149.24     | 5,480.78       | 0.00              | 467,345.53       | 719,755.32      |
| 14,400.00  | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 5,578.86    | -149.77     | 5,580.77       | 0.00              | 467,445.52       | 719,754.79      |
| 14,500.00  | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 5,678.86    | -150.31     | 5,680.76       | 0.00              | 467,545.52       | 719,754.25      |
| 14,600.00  | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 5,778.86    | -150.84     | 5,780.75       | 0.00              | 467,645.52       | 719,753.72      |
| 14,700.00  | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 5,878.86    | -151.38     | 5,880.73       | 0.00              | 467,745.52       | 719,753.18      |
| 14,800.00  | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 5,978.86    | -151.91     | 5,980.72       | 0.00              | 467,845.52       | 719,752.65      |
| 14,900.00  | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 6,078.86    | -152.45     | 6,080.71       | 0.00              | 467,945.52       | 719,752.11      |
| 15,000.00  | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 6,178.86    | -152.98     | 6,180.70       | 0.00              | 468,045.52       | 719,751.58      |
| 15,100.00  | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 6,278.85    | -153.52     | 6,280.69       | 0.00              | 468,145.51       | 719,751.04      |
| 15,200.00  | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 6,378.85    | -154.05     | 6,380.68       | 0.00              | 468,245.51       | 719,750.51      |
| 15,300.00  | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 6,478.85    | -154.59     | 6,480.66       | 0.00              | 468,345.51       | 719,749.97      |
| 15,400.00  | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 6,578.85    | -155.12     | 6,580.65       | 0.00              | 468,445.51       | 719,749.44      |
| 15,500.00  | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 6,678.85    | -155.66     | 6,680.64       | 0.00              | 468,545.51       | 719,748.90      |
| 15,600.00  | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 6,778.85    | -156.19     | 6,780.63       | 0.00              | 468,645.51       | 719,748.37      |
| 15,700.00  | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 6,878.85    | -156.73     | 6,880.62       | 0.00              | 468,745.51       | 719,747.83      |
| 15,800.00  | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 6,978.84    | -157.26     | 6,980.60       | 0.00              | 468,845.50       | 719,747.30      |
| 15,900.00  | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 7,078.84    | -157.80     | 7,080.59       | 0.00              | 468,945.50       | 719,746.76      |
| 16,000.00  | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 7,178.84    | -158.33     | 7,180.58       | 0.00              | 469,045.50       | 719,746.23      |
| 16,100.00  | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 7,278.84    | -158.87     | 7,280.57       | 0.00              | 469,145.50       | 719,745.69      |
| 16,200.00  | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 7,378.84    | -159.40     | 7,380.56       | 0.00              | 469,245.50       | 719,745.16      |
| 16,300.00  | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 7,478.84    | -159.94     | 7,480.55       | 0.00              | 469,345.50       | 719,744.62      |
| 16,400.00  | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 7,578.84    | -160.47     | 7,580.53       | 0.00              | 469,445.50       | 719,744.09      |
| 16,500.00  | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 7,678.83    | -161.01     | 7,680.52       | 0.00              | 469,545.49       | 719,743.55      |



Pathfinder  
Pathfinder X & Y Planning Report



Company: Devon Energy, Inc.  
Project: Eddy County  
Site: Aldabra "26" Fed  
Well: #1H  
Wellbore: OH  
Design: Plan #1

Local Co-ordinate Reference: Well #1H  
TVD Reference: RKBtoGL-25' @ 3477.20ft (H&P #416)  
MD Reference: RKBtoGL-25' @ 3477.20ft (H&P #416)  
North Reference: Grid  
Survey Calculation Method: Minimum Curvature  
Database: Midland Database

Planned Survey

| MD<br>(ft) | Inc<br>(°) | Azi<br>(°) | TVD<br>(ft) | TVDSS<br>(ft) | N/S<br>(ft) | E/W<br>(ft) | V. Sec<br>(ft) | DLeg<br>(°/100ft) | Northing<br>(ft) | Easting<br>(ft) |
|------------|------------|------------|-------------|---------------|-------------|-------------|----------------|-------------------|------------------|-----------------|
| 16,600.00  | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 7,778.83    | -161.54     | 7,780.51       | 0.00              | 469,645.49       | 719,743.02      |
| 16,620.49  | 90.00      | 359.69     | 8,960.00    | 5,482.80      | 7,799.32    | -161.65     | 7,801.00       | 0.00              | 469,665.98       | 719,742.91      |

TD at 16620.49 - Aldabra26#1H\_BHL

Targets

Target Name

| - hit/miss target<br>- Shape                              | Dip Angle<br>(°) | Dip Dir.<br>(°) | TVD<br>(ft) | +N/-S<br>(ft) | +E/-W<br>(ft) | Northing<br>(ft) | Easting<br>(ft) | Latitude         | Longitude         |
|-----------------------------------------------------------|------------------|-----------------|-------------|---------------|---------------|------------------|-----------------|------------------|-------------------|
| Aldabra26#1H_HEAL<br>- plan hits target center<br>- Point | 0.00             | 0.00            | 8,960.00    | 574.42        | -123.00       | 462,441.080      | 719,781.560     | 32° 16' 12.020 N | 103° 45' 21.568 W |
| Aldabra26#1H_BHL<br>- plan hits target center<br>- Point  | 0.00             | 0.00            | 8,960.00    | 7,799.32      | -161.65       | 469,665.980      | 719,742.910     | 32° 17' 23.516 N | 103° 45' 21.565 W |

Plan Annotations

| Measured<br>Depth<br>(ft) | Vertical<br>Depth<br>(ft) | Local Coordinates |               | Comment                                                         |
|---------------------------|---------------------------|-------------------|---------------|-----------------------------------------------------------------|
|                           |                           | +N/-S<br>(ft)     | +E/-W<br>(ft) |                                                                 |
| 7,627.00                  | 7,627.00                  | 0.00              | 0.00          | KOP-7627.00'MD,0.00°INC,0.00°AZI,7627.00'TVD                    |
| 7,952.89                  | 7,941.75                  | -71.36            | -14.92        | Start DLS 8.00 TFO 166.56                                       |
| 9,395.48                  | 8,960.00                  | 574.42            | -123.00       | EOC-9395.48'MD,90.00°INC,359.69°AZI,8960.00'TVD,8.00°DLS, 576.8 |
| 16,620.49                 | 8,960.00                  | 7,799.32          | -161.65       | TD at 16620.49                                                  |

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

NOTES REGARDING BLOWOUT PREVENTERS

Devon Energy Production Company, LP

**Aldabra 26 Fed Com 1H**

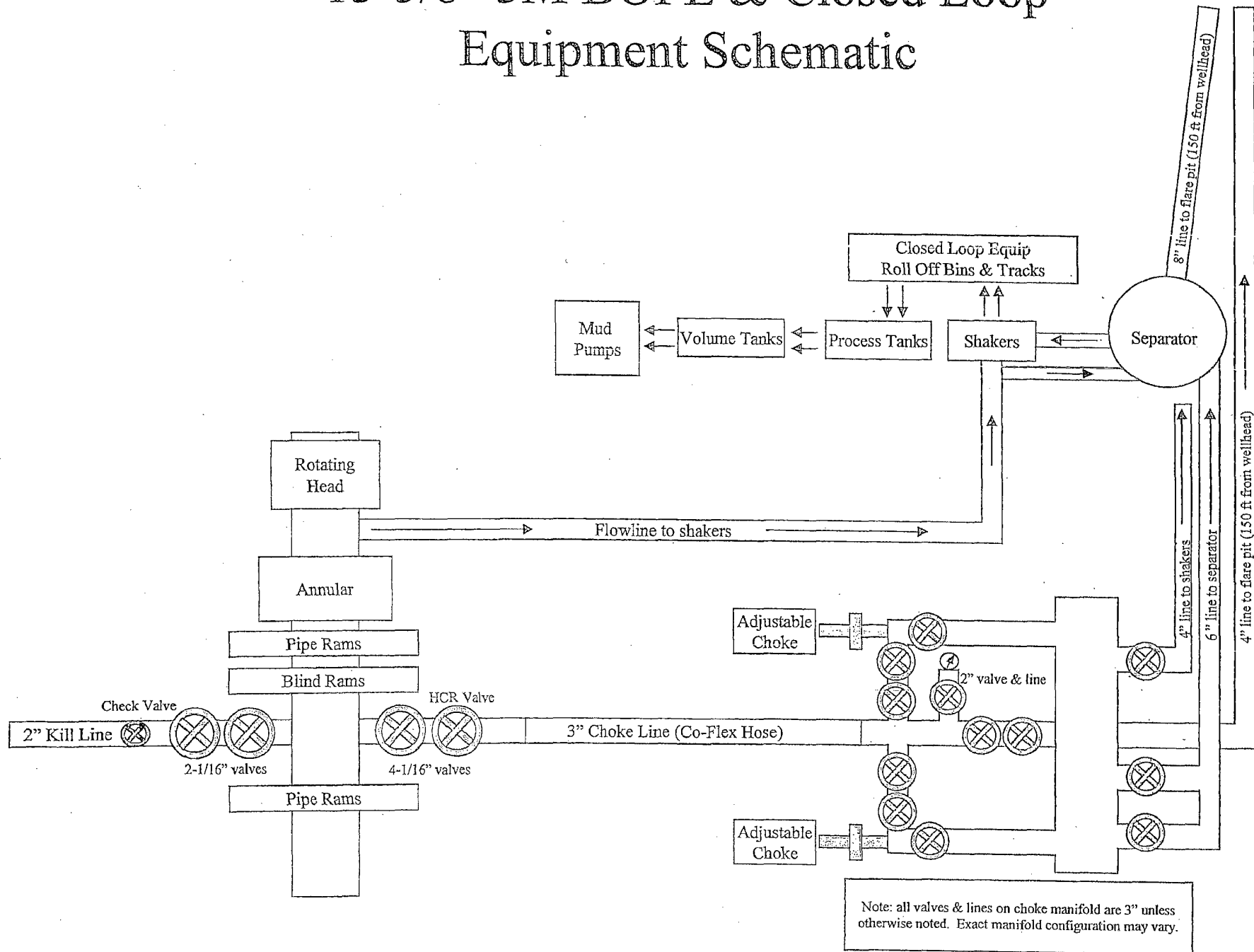
Surface Location: 85' FSL & 470' FWL, Unit M, Sec 26 T23S R31E, Eddy, NM

Bottom Hole Location: 2600' FSL & 350' FWL, Unit L, Sec 23 T23S R31E, Eddy, NM

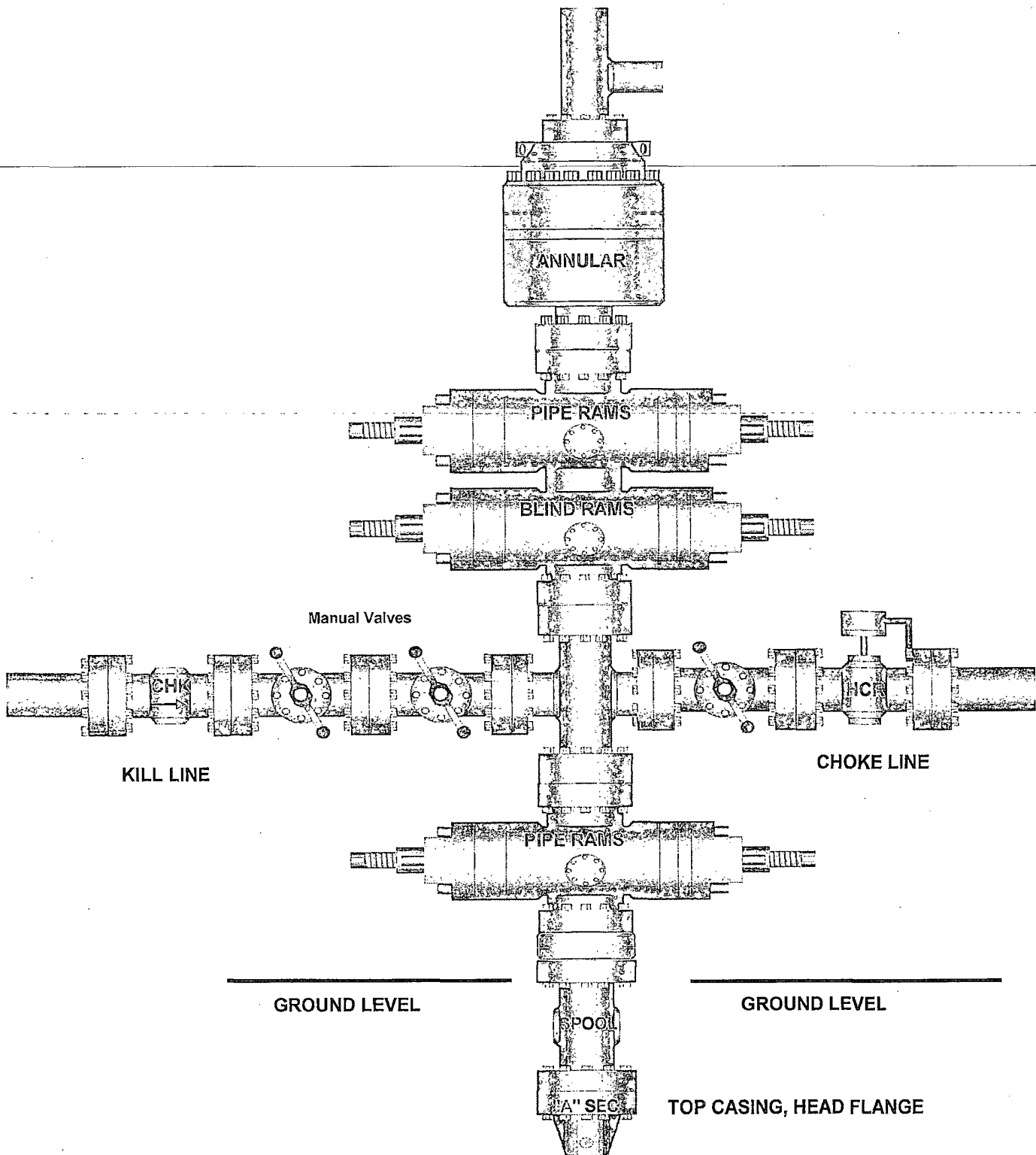
1. Drilling nipple will be constructed so it can be removed mechanically without the aid of a welder. The minimum internal diameter will equal BOP bore.
2. Wear ring will be properly installed in head.
3. Blowout preventer and all associated fittings will be in operable condition to withstand a minimum 3000 psi working pressure.
4. All fittings will be flanged.
5. A full bore safety valve tested to a minimum 3000 psi WP with proper thread connections will be available on the rotary rig floor at all times.
6. All choke lines will be anchored to prevent movement.
7. All BOP equipment will be equal to or larger in bore than the internal diameter of the last casing string.
8. Will maintain a kelly cock attached to the kelly.
9. Hand wheels and wrenches will be properly installed and tested for safe operation.
10. Hydraulic floor control for blowout preventer will be located as near in proximity to driller's controls as possible.
11. All BOP equipment will meet API standards and include a minimum 40 gallon accumulator having two independent means of power to initiate closing operation.



# 13-5/8" 3M BOPE & Closed Loop Equipment Schematic



# 13-5/8" x 3,000 psi BOP Stack





## Fluid Technology

ContiTech Beattie Corp.  
Website: [www.contitechbeattie.com](http://www.contitechbeattie.com)

Monday, June 14, 2010

RE: Drilling & Production Hoses  
Lifting & Safety Equipment

To Helmerich & Payne,

A Continental ContiTech hose assembly can perform as intended and suitable for the application regardless of whether the hose is secured or unsecured in its configuration. As a manufacturer of High Pressure Hose Assemblies for use in Drilling & Production, we do offer the corresponding lifting and safety equipment, this has the added benefit of easing the lifting and handling of each hose assembly whilst affording hose longevity by ensuring correct handling methods and procedures as well as securing the hose in the unlikely event of a failure; but in no way does the lifting and safety equipment affect the performance of the hoses providing the hoses have been handled and installed correctly. It is good practice to use lifting & safety equipment but not mandatory.

Should you have any questions or require any additional information/clarifications then please do not hesitate to contact us.

ContiTech Beattie is part of the Continental AG Corporation and can offer the full support resources associated with a global organization.

Best regards,

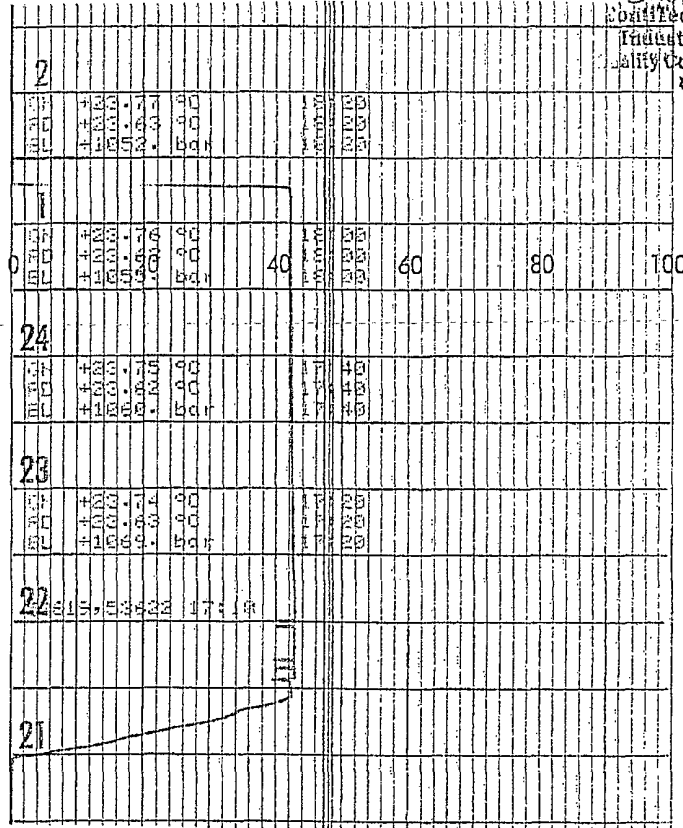
Robin Hodgson  
Sales Manager  
ContiTech Beattie Corp

ContiTech Beattie Corp,  
11535 Brittmoore Park Drive,  
Houston, TX 77041  
Phone: +1 (832) 327-0141  
Fax: +1 (832) 327-0148  
[www.contitechbeattie.com](http://www.contitechbeattie.com)

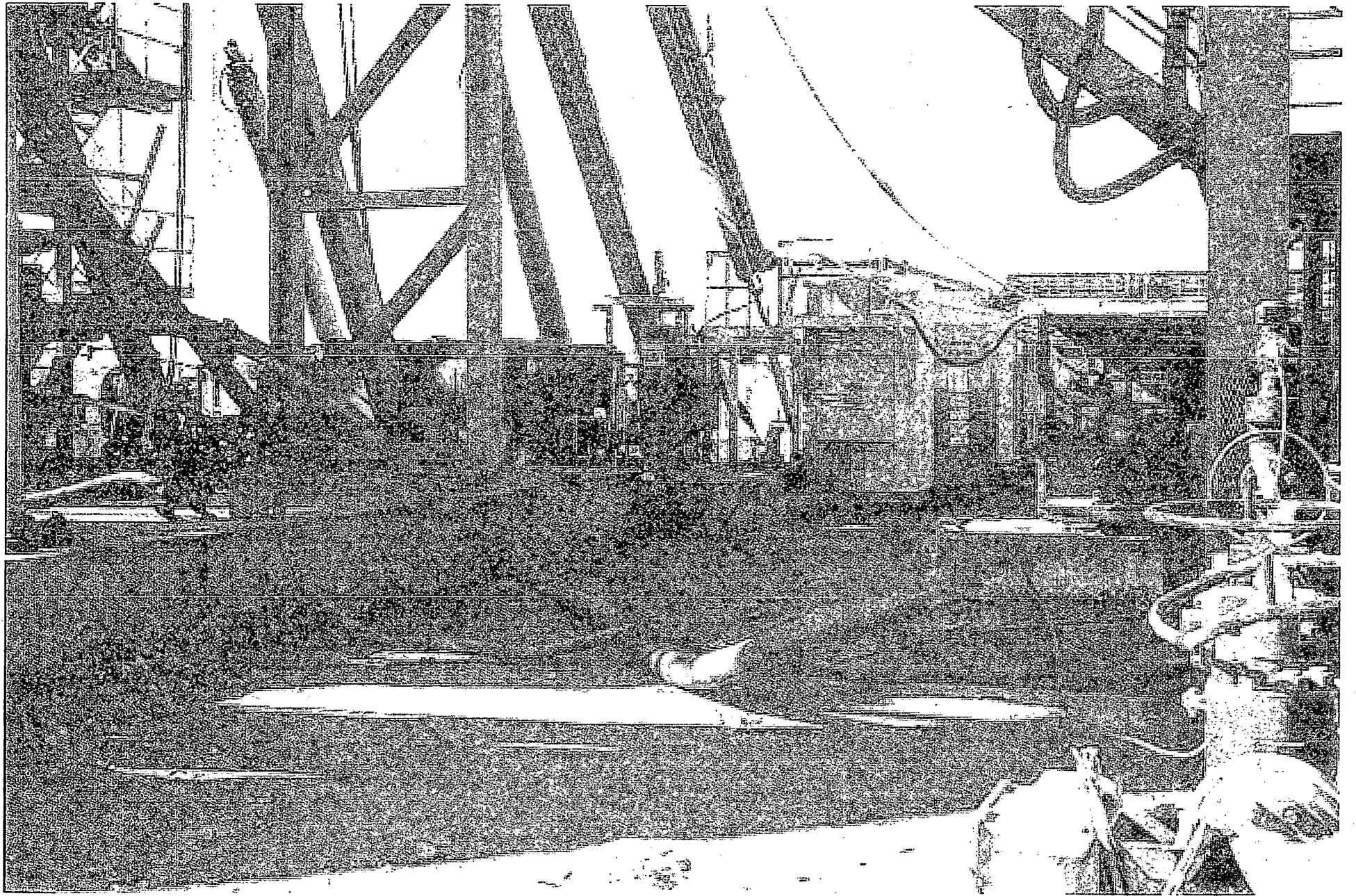


ContiTech Rubber Industrial Kft.  
Budapesti út 10., Szeged H 6728  
P.O.Box 152 Szeged H-6701  
Hungary

HARTMANN &



Industech Rubber  
Industrial Kft.  
Quality Control Dept.  
(2)



DISTRICT I --- CHECKLIST FOR INTENTS TO DRILL

Operator DEVON ENERGY PROD CO LP OGRID # 6137  
 Well Name & # ALDABRA 26 RED COM # 1 H Surface Type (F) (S) (P)  
 Location: UL M Sect 26, Township 23s, RNG 31e,  
L - 23 - 23 - 31 Sub-surface Type (F) (S) (P)

A. Date C101 rec'd      /      /      C101 reviewed      /      /     

B. 1. Check mark, Information is OK on Forms:

OGRID X, BONDING FED PROP CODE X, WELL # X, SIGNATURE     

2. Inactive Well list as of: 3/30/11 # wells 1499, # Inactive wells 3

a. District Grant APD but see number of inactive wells:

No letter required X; Sent Letter to Operator     , to Santa Fe     

3. Additional Bonding as of: 3/30/11

a. District Denial because operator needs addition bonding:

No Letter required X; Sent Letter to Operator     , To Santa Fe     

b. District Denial because of Inactive well list and Financial Assurance:

No Letter required X; Sent Letter to Operator     , To Santa Fe     

C. C102 YES X, NO     , Signature X

1. Pool WILLOCAT; BONE SPRING, Code 96403

a. Dedicated acreage 240, What Units 23; LM 26: DELM

b. SUR. Location Standard     ; Non-Standard Location X PP Standard X

c. Well shares acres: Yes X, No     , # of wells 4 plus this well # #2H

2. 2<sup>nd</sup>. Operator in same acreage, Yes     , No     

Agreement Letter     , Disagreement letter     

3. Intent to Directional Drill Yes X, No     

a. Dedicated acreage 240, What Units 23; LM 26: DELM

b. Bottomhole Location Standard     , Non-Standard Bottomhole     

4. Downhole Commingle: Yes     , No X

a. Pool #2     , Code     , Acres     

Pool #3     , Code     , Acres     

Pool #4     , Code     , Acres     

5. POTASH Area Yes     , No     

D. Blowout Preventer Yes X, No     

E. H2S Yes X, No      Part of FED

F. C144 Pit Registration Yes     , No X need

G. Does APD require Santa Fe Approval:

1. Non-Standard Location: Yes X, No     , NSL #     

2. Non-Standard Proration: Yes     , No X, NSP #     

3. Simultaneous Dedication: Yes     , No X, SD #     

Number of wells      Plus #     

4. Injection order Yes     , No X; PMX #      or WFX #     

5. SWD order Yes     , NO X; SWD #     

6. DHC from SF     ; DHC-HOB     ; Holding     

7. OCD Approval Date 3/30/11

API #30-015--38617

8. Reviewers KB